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Claims

What is claimed is:

- 1. A bus bridge device for transfer of indefinite length burst transactions from a first bus to a second bus via said bus bridge device, said bus bridge device comprising:
- a detector circuit to detect initiation of a burst transaction on said first bus wherein said burst transaction has an indefinite length; and
 - a translator circuit to translate said burst transaction to a new burst transaction having a predetermined length.
 - The device of claim 1 further comprising:

 a configuration register to store a configuration value indicative of said

 predetermined length.
 - 3. The device of claim 2 wherein said translator circuit includes: a lookup table for determining said predetermined length from said configuration value.
- The device of claim 1 further comprising:

 a configuration switch to define a configuration value indicative of said

 predetermined length.
- The device of claim 4 wherein said translator circuit includes:

 a lookup table for determining said predetermined length from said
 configuration value.
- 6. A method operable in a bus bridge device for transfer of indefinite length burst transactions from a first bus to a second bus via said bus bridge device, the method comprising the steps of:

detecting initiation of a burst transaction on said first bus wherein said

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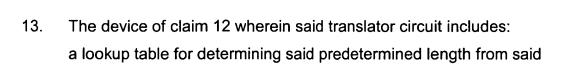


- 5 burst transaction has an indefinite length; and
 - translating said burst transaction to a new burst transaction having a predetermined length.
 - 7. The method of claim 6 further comprising: storing a configuration value in a configuration register wherein said configuration value is indicative of said predetermined length.
 - 8. The method of claim 7 wherein the step of translating includes the step of: determining said predetermined length using said configuration value and a lookup table indexed by said configuration value.
 - 9. The method of claim 6 further comprising the step of: setting a switch to define a configuration value indicative of said predetermined length.
 - 10. The method of claim 9 wherein the step of translating includes the step of: determining said predetermined length using said configuration value and a lookup table indexed by said configuration value.
 - 11. A slave device for transfer of indefinite length burst transactions received from a master device on a first bus to a device controller on a second bus via said slave device, said slave device comprising:
 - a detector circuit to detect initiation of a burst transaction on said first bus wherein said burst transaction has an indefinite length; and
 - a translator circuit to translate said burst transaction to a new burst transaction having a predetermined length.
 - 12. The device of claim 11 further comprising:
 - a configuration register to store a configuration value indicative of said predetermined length.

configuration value.

predetermined length.

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- 14. The device of claim 11 further comprising:a configuration switch to define a configuration value indicative of said
- 15. The device of claim 14 wherein said translator circuit includes: a lookup table for determining said predetermined length from said configuration value.
- 16. A method operable in a slave device for transfer of indefinite length burst transactions received from a master device on a first bus to a device controller on a second bus via said slave device, the method comprising the steps of:

detecting initiation of a burst transaction on said first bus wherein said burst transaction has an indefinite length; and

translating said burst transaction to a new burst transaction having a predetermined length.

- 17. The method of claim 16 further comprising:
 storing a configuration value in a configuration register wherein said
 configuration value is indicative of said predetermined length.
- 18. The method of claim 17 wherein the step of translating includes the step of:

determining said predetermined length using said configuration value and a lookup table indexed by said configuration value.

19. The method of claim 16 further comprising the step of: setting a switch to define a configuration value indicative of said 5



predetermined length.

20. The method of claim 19 wherein the step of translating includes the step of:

determining said predetermined length using said configuration value and a lookup table indexed by said configuration value.